

REMARKS

At the outset, Applicants thank the Examiner for the thorough review and consideration of the subject application. The Non-Final Office Action of November 19, 2003, has been received and its contents carefully noted. Claims 1-3 and 5-8 have been amended and claims 11-15 are newly added. Support for these amendments and newly added claims are provided in at least figures 4-8 and related text of the specification. No new matter is added. Reconsideration of the rejected claims in view of the above amendments and the following remarks is respectfully requested.

Rejections Under 35 U.S.C. §112, second paragraph

Claims 1-2 and 5-6 stand rejected under 35 U.S.C. §112, second paragraph as being indefinite. Applicants respectfully traverse this rejection for at least the following reasons.

Claims 1-2 and 5-6 have been amended to better conform with U.S. practice and to capture the subject matter which Applicants regard as their invention. Accordingly, claims 1-2 and 5-6 are in full compliance with U.S. § 112, second paragraph.

Applicants respectfully request the rejection under 35 U.S.C. § 112, second paragraph, be withdrawn.

Rejections Under 35 U.S.C. § 102

Claims 1-5 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,313,889 B1 issued to Song, *et al.* ("Song"). Applicants respectfully traverses this rejection for at least the following reasons.

Claim 1 is allowable over the cited references in that claim 1 recites a combination of elements, including, for example:

a data line comprising an extension part overlapping a portion of a pixel electrode to substantially minimize a blocking effect, wherein the pixel electrode is arranged at a boundary pixel

Song does not teach at least these features.

In contradiction, Song is directed to a matrix type display device capable of being repaired in a pixel unit. More specifically, Song discloses forming a ring-type capacitor and repairing a data line in accordance with locations of disconnection. *See* col. 15, lines 35-66. However, Song does not teach an extension part to substantially minimize a blocking effect as required by claim 1. Also, it appears Song does not teach a line inversion type for block-driving data lines.

Accordingly, Applicants respectfully submit claim 1 and claims 2 and 5, which depend from claim 1, are allowable.

Claim 6 is allowable over the cited references in that claim 1 recites a combination of elements, including, for example:

a plurality of pixel electrodes formed in the middle of the pixels so as to be connected to a source region of the thin film transistors, the pixel electrode having an area overlapping an adjacent data line passing around the respective pixels, wherein the TFT-LCD further comprises at least one of the plurality of data lines having an extension part overlapping at least one of the plurality of pixel electrodes of a pixel electrode of boundary pixel to substantially minimize a blocking effect.

Song does not teach at least these features.

For similar reasons as discussed above, Song does not teach an extension part overlapping a boundary pixel electrode to substantially minimize a blocking effect as required by claim 6.

Accordingly, Applicants respectfully submits that claim 6 is allowable.

Rejections Under 35 U.S.C. § 103

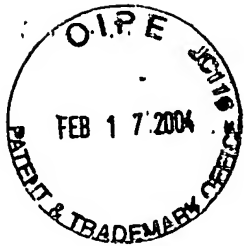
Claims 6-10 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,663,359 B1 issued to Song, *et al.* (“Song”) in view of U. S. Patent No. 6,663,359 B1 issued to Zhang, *et al.* (“Zhang”). Applicants respectfully traverse this rejection for at least the following reasons.

Claims 9-10 depend from claim 6 and include all of the limitations of claim 6 by virtue of their dependencies. For the reasons as discussed above, Song fails to teach or suggest all of the limitations of claim 1. Zhang fails to cure the deficiencies of Song. That is, Zhang does not teach or suggest, an “extension part overlapping a boundary pixel electrode to substantially minimize a blocking effect ” as required by claim 6.

Accordingly, Applicants respectfully submit that claim 6 and claims 7-10, which depend from claim 6, are allowable.

Newly Added Claims

In this response, claims 11-15 are newly added in order to capture the subject matter of the invention from different perspectives. These claims 11-15 are directed to the features fully described in the specification but not disclosed or suggested in the art of record.



Won-Kyu LEE, *et al.*
Application No.: 10/051,226

CONCLUSION

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submit that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

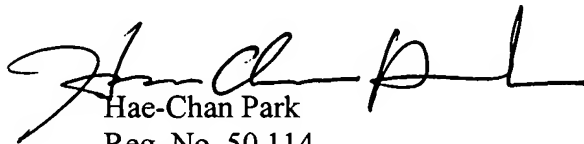
Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested. FEB 19 2004

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Technology Center 2600

Respectfully submitted,


Hae-Chan Park
Reg. No. 50,114

Date: February 17, 2004

McGuireWoods LLP
1750 Tysons Boulevard
Suite 1800
McLean, VA 22102-4215
Tel: 703-712-5365
Fax: 703-712-5280
HCP/SJH/jmp

\\COM370315.1